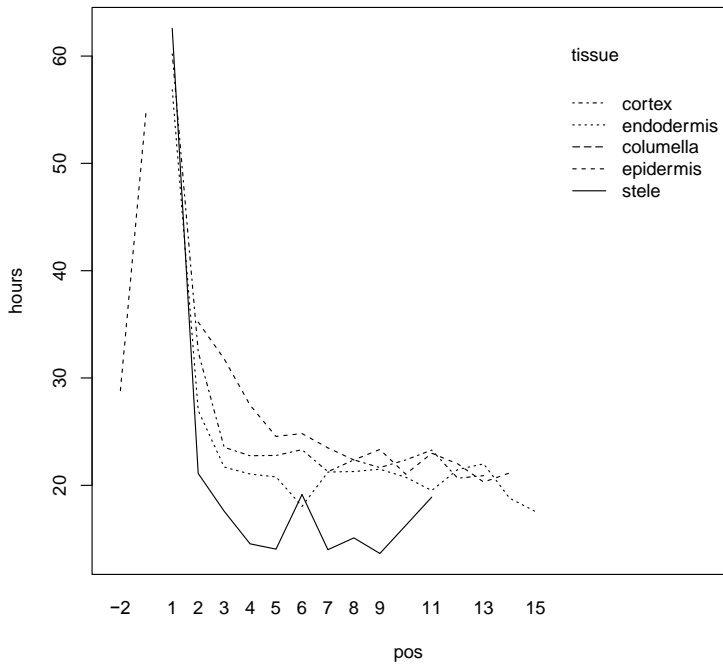# A: Positions -2 to -1, and 1 to 15

two-way ANOVA

> > > Figure legend: < < < # #

The figure represents interaction plot for hours (y-axis). The interaction between pos (x-axis) and tissue (different lines) was quantified using two-way ANOVA.

Analysis of Variance Table

Response: pheno

	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
iv1	16	38619	2413.66	57.8164	< 2.2e-16	***
iv2	4	3143	785.76	18.8220	5.945e-14	***
iv1:iv2	35	1087	31.04	0.7436	0.8558	
Residuals	330	13777	41.75			

---

iv1 corresponds to position and iv2 corresponds to tissue, with iv1:iv2 reflecting their interaction.

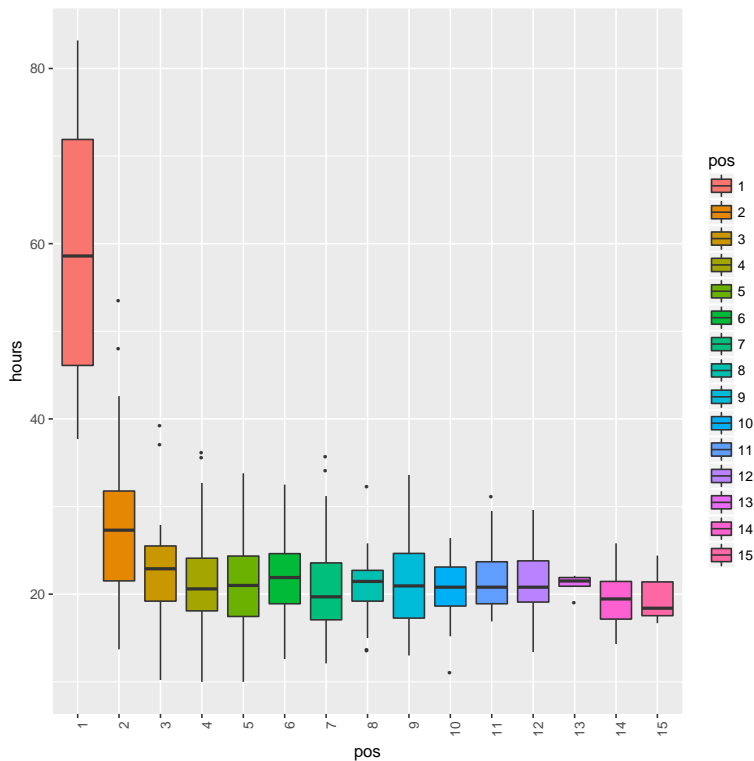## B: Positions 1 to 15

Testing significant differences

ANOVA

The p-value of the ANOVA test between different pos is 0.

SIGNIFICANT difference in means

> > > Figure legend: < < < # #

The plot represents the boxplot of hours by pos . The data used is raw data .

pos   hours Significant groups based on Tukey's pairwise comparison

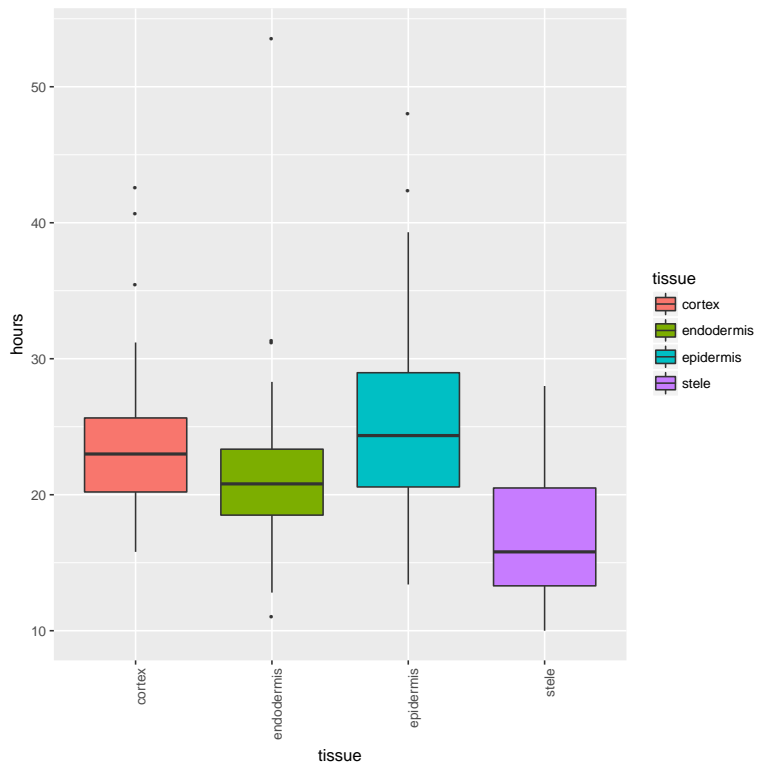|		
1 59.38235		a
2 28.30250		b
3 22.27500		c
11 21.79600		c
6 21.76053		c
9 21.50769		c
4 21.38605		c
12 21.36154		c
7 21.33000		c
13 21.10000		c
8 21.07727		c
5 20.65385		c
10 20.34211		c
15 19.83333		c
14 19.58333		c

C: Positions 2 to 15

Testing significant differences

ANOVA

The p-value of the ANOVA test between different tissue is 0.

SIGNIFICANT difference in means

> > > Figure legend: < < < # #

The plot represents the boxplot of hours by tissue . The data used is raw data .

tissue	hours	Significant groups based on Tukey's pairwise comparison
epidermis	25.25000	a
cortex	23.45862	a
endodermis	21.30090	b
stele	16.96949	c